

POLYLACTIC ACID-BASED SHRINK FILM OR SHEET

Publication Number: 2001-151906 (JP 2001151906 A) , June 05, 2001

Inventors:

- TERADA SHIGENORI
- HIRUMA TAKASHI

Applicants

- MITSUBISHI PLASTICS IND LTD

Application Number: 11-335405 (JP 99335405) , November 26, 1999

International Class:

- C08J-005/18
- C08L-067/04
- B29C-055/02
- C08L-067/04
- C08L-067:02
- B29K-067:00
- B29L-007:00

Abstract:

PROBLEM TO BE SOLVED: To provide a biodegradable polylactic acid-based shrink sheet product for package which has a satisfactory shrinkage rate and excellent transparency and impact resistance (breakage resistance) and is free of irregularity of thickness upon stretching. **SOLUTION:** The heat shrink film or sheet is obtained by shaping a plastic material, which is made of a mixture of a polylactic acid material having a ratio between D-lactic acid and L-lactic acid within a given range and an aliphatic polyester wherein the aliphatic polyester has a heat quantity ΔH_m of melting of crystals of 55 J/g or below and an apparent melt viscosity of the polymer is in a constant relation when an apparent shearing rate is 102 (1/sec). The film or sheet has a thermal shrinkage rate in a uniaxial direction of, at least, 10% or over in hot water of 80°C/10 seconds.